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| Light_grey_5cm | **IT Architecture specifications for Peru logistic module** | |
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| **Presentation** | |  |
| This document presents the IT HQ recommendations for the architecture of the planned Peru Logistic Intranet module. | | |
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| **Suggested Network architecture** | |  |
| The network architecture should be secured through a firewall in order to isolate the Perenco internal zone (LAN) from security threats coming from the Internet. If an extranet is needed, its server should be separated from the rest of the Perenco Intranet, through separated subnetworks. | | |
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| **Perenco Intranet configuration** | |  |
| 1. **Hardware**  * Racked server in PERENCO LIMA IT ROOM * Processor: Intel Xeon quadcore 2.8Ghz * RAM: 4Gb min  1. **Software (as of 4th Jan 2010)**  * OS: MS Windows Server 2008, all security patches applied * Apache: 2.2.14 * PHP: 5.3.1 * MySQL: 5.1.42 | | |
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| **Suggested measures** | |  |
| In order for Paris HQ to be able to monitor new development inner working (for both maintainability and optimization), the following recommendations should be taken into account:  **1) Extranet server communication**   * assess usage and protocol used by the extranet server:   + make roles of Intranet server and Extranet server CLEAR: which of them is doing what?   + to communicate with the internet / third parties (and reverse)   + to communicate with the intranet trusted Sistema Integral (and reverse)     - **get approval from IT HQ before development kick-off (IT HQ will challenge choices to maintain a high level security)** * IT HQ to configure firewall   **2) Intranet reference data**   * list data to be retrieved from corporate intranet (intranet.perenco.net) by Peru intranet server (Staff only?)   **3) Staging process**   * all servers used by the Peru Logistic module should be **accessible from Paris HQ** * a **staging step should be planned**, using a dedicated and permanent staging environment (distinct from the production environment) * Perenco Intranet team should be kept informed of development advancement and **be part of the staging process** (to bring expertise on possible technical and functional enhancements) * ideally, third party should be able to communicate in English   **Once the scope of the project is made clear, and before development kick-off, a video conference should be organized in order to share ideas.** | | |